

Microsoft DevOps Solutions: Designing an Application Infrastructure Management Strategy:

APP SERVICE AND SUBSCRIPTION
CONFIGURATION MANAGEMENT



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Exam Objectives Covered



Assess a configuration management mechanism for application infrastructure

Define and enforce desired state configuration for environments





Prerequisites

Azure VMs

Azure DevOps

Familiarity with basic configuration management concepts and tools

Azure PowerShell familiarity



Azure App Configuration Benefits



Configuration storage for all apps

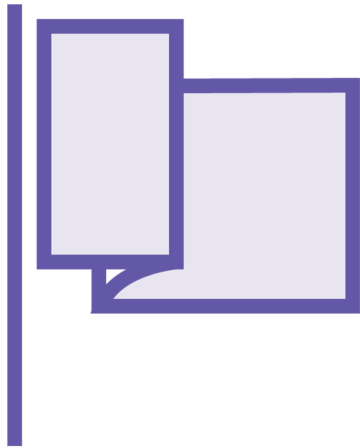
Hierarchical configuration data

Controls access with RBAC

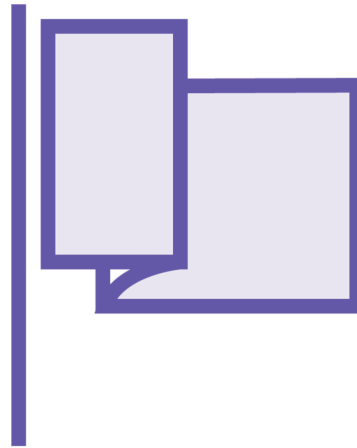
Key/value pairs



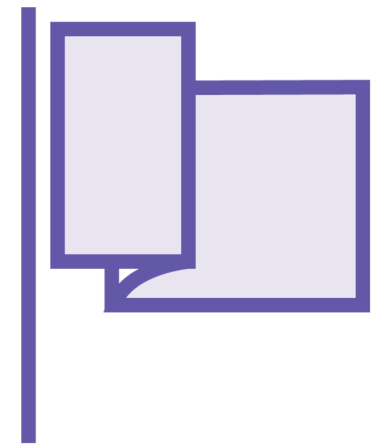
Feature Flags



Toggles
for features



Control functionality
with no code changes

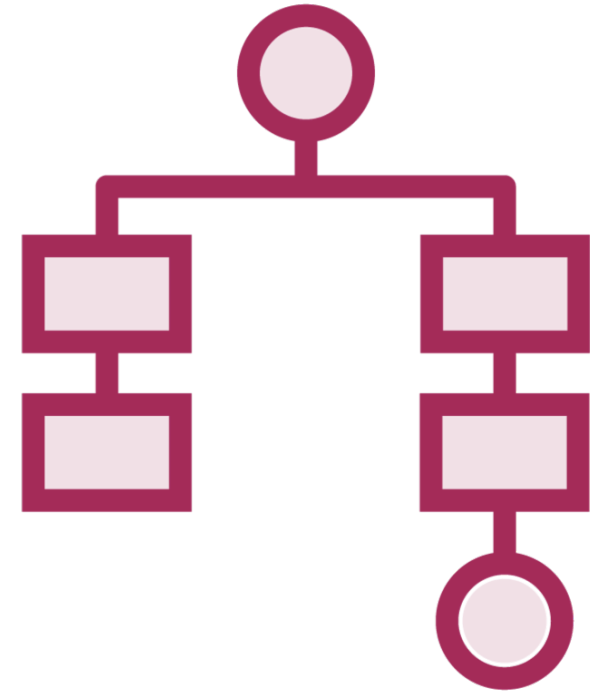


A "feature flag
dashboard"

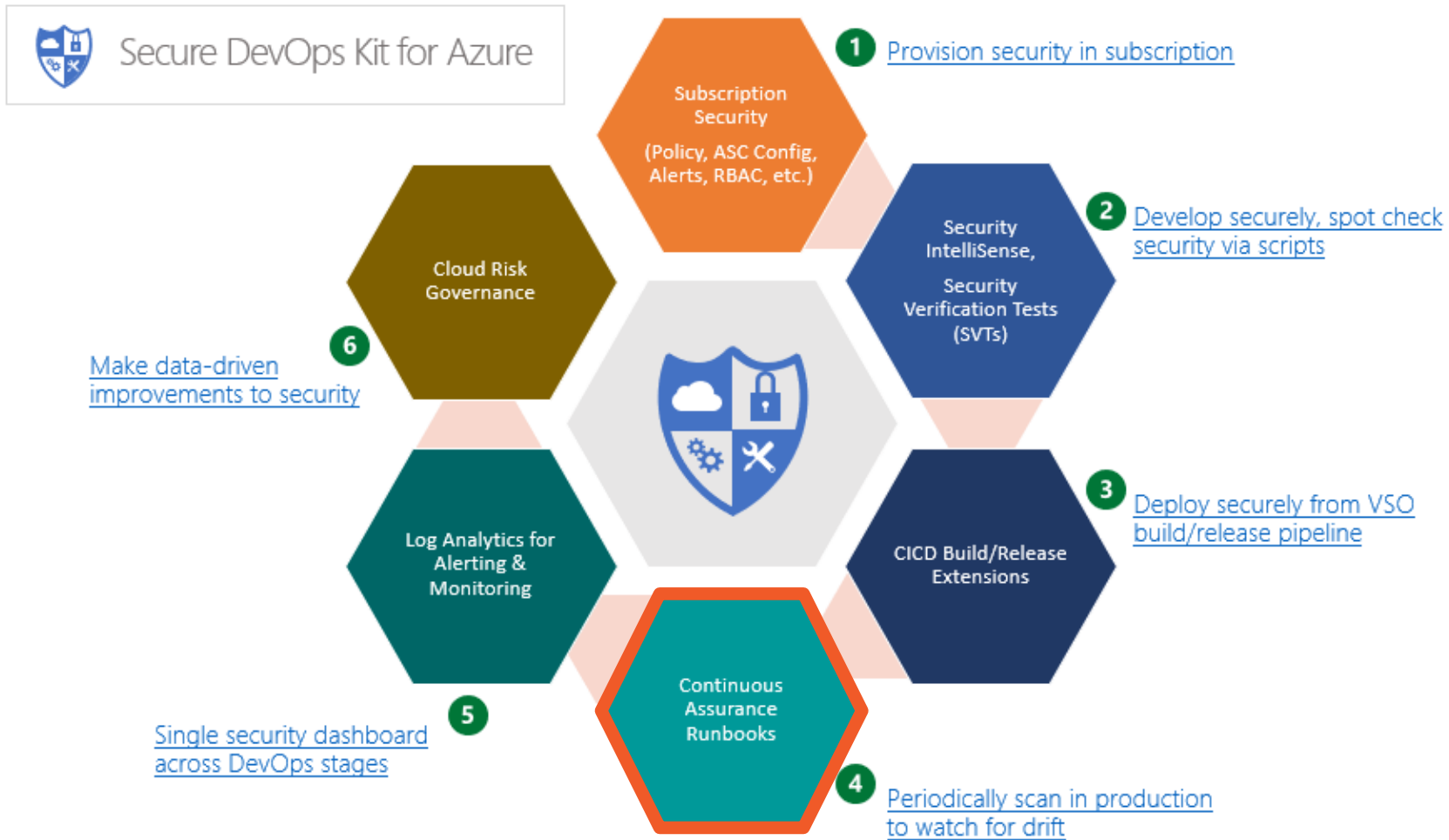


Shared Configuration

One configuration,
multiple environments



Continuous Assurance Overview



Part of the Azure
Secure DevOps Kit

Checks for
configuration “drift”

Treats security as
a “state”

Source: <https://azsk.azurewebsites.net/README.html>



Why Continuous Assurance?



Audits changes

Prevents security vulnerabilities

Automates manual reviews



Focus Here

**Azure App Configuration
=
shared configuration**

**Continuous assurance means
configuration management
for DevOps projects**



The Worry Scale

